



Water Sample Application

Fee = \$30.00 per type of sample chosen below plus cost of bottle*

***(Cost of bottle on second page of application)**

☐ Total Coliform
 ☐ Fecal Coliform
 ☐ Iron
 ☐ Sulfur/Sulfate
 ☐ Pseudomonas
 ☐ Heterotropic Plate Count
 ☐ Inorganic Panel (metals, Anions, Nitrate/Nitrite)
 ☐ Inorganic Panel (Metals, Anions)
 ☐ Metals Panel
 ☐ Fluoride
 ☐ Nitrate/Nitrite
 ☐ Arsenic
 ☐ Pesticides
 ☐ Herbicides
 ☐ Petroleum Products
 ☐ Volatile Organic Chemicals
 ☐ Other ☐ _____

Existing Wells-Please indicate if you would like to have sample taken from outside ☐ or inside ☐.

If sample is taken inside owner must be present .We will call daytime phone number to schedule appointment.

Water sample results will be sent by e-mail unless requested otherwise.

Property Owner* _____

Property Owner's Mailing Address _____

City _____ State _____ Zip _____

Property Owner's Daytime Telephone _____ Cell Phone Number _____

Property Owner's Email Address _____

Street Address of Well Location _____ City _____ State _____ Zip _____

Subdivision or Mobile Home Park Name and Lot Number _____

Parcel Number _____

Person Requesting Sample _____

Daytime Phone Number _____ Cell Phone number _____

Applicant's Email Address _____

*** If applicant for service is not the property owner, a signed Legal Representation Document is required to be submitted with this form.**

Directions to property where well is located.

Well location on property. Be specific.

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☐ Private Water Supply
 ☐ Community Water
 ☐ Shared Well
 ☐ Livestock
 ☐ Irrigation Well

Well Driller's Name (If Known) _____

☐ Drilled Well
 ☐ Bored Well
 ☐ Dug Well
 ☐ Spring
 ☐ Other

I authorize County and State Environmental Health Specialists right of entry to conduct necessary inspections to determine compliance with applicable laws and rules to include requested water sampling.

Signature _____ Date _____

(Well Owner or Legal Representative)



Lee County Environmental Health

Post Office Box 1528- Sanford, NC 27331

Phone 919-718-4641 - Fax 919-718-4636

Promoting better health and a safe environment for all Lee County residents

Environmental Sciences Well-Water Testing FY16 Fee Schedule

Category	Cost of Bottle	County Cost	Total Cost
Full Well Panel			
Inorganic Chemistry and Microbiology	*This sample is pulled for each new private well application		
Microbiology			
Total Coliform/E. Coli P/A-Enzymatic	\$25	\$30	\$55
Total Coliform/E. Coli MPN-Enzymatic	\$28	\$30	\$58
Fecal Coliform, MPN(Quantitray)-Enzymatic	\$28	\$30	\$58
Fecal Coliform/Fecal Streptococcus-MTF	\$45	\$30	\$75
Enterococcus, MPN (Quantitray)-Enzymatic	\$29	\$30	\$59
Iron Bacteria	\$30	\$30	\$60
Sulfur/Sulfate-Reducing Bacteria	\$40	\$30	\$70
Pseudonomas-MTF or MPN (Quantitray) Enzymatic	\$29	\$30	\$59
Heterotrophic Plate Count	\$25	\$30	\$55
Inorganic Chemistry			
Inorganic Panel (Coal Ash Testing)	\$68	\$30	\$98
Inorganic Panel (Metals, Anions, Nitrate/Nitrite)	\$68	\$30	\$98
Inorganic Panel (Metals, Anions)	\$63	\$30	\$93
Hexavalent Chromium	\$52	\$30	\$82
Metals Panel	\$59	\$30	\$89
Lead Follow-up testing (up to 3 samples from same location)	\$65	\$30	\$90
Individual Metals (1-3 maximum from above, plus Uranium)	\$45	\$30	\$75
Anions-Fluoride, Chloride, and Sulfate	\$29	\$30	\$59
Disinfection By-Products-Bromide, Bromate, Chlorite, Chlorate	\$29	\$30	\$59
Fluoride-Physician, Dentist	\$29	\$30	\$59
Nitrate/Nitrite	\$26	\$30	\$56
Arsenic Speciation	\$29	\$30	\$59
Organic Chemistry			
Chlorinated Pesticides	\$74	\$30	\$104
Nitrogen-Phosphorus Pesticides	\$74	\$30	\$104
Glyphosate	\$74	\$30	\$104
EDB, DBCP, and TCP	\$74	\$30	\$104
Carbamates	\$74	\$30	\$104
Chlorinated Acid Herbicides	\$74	\$30	\$104
Synthetic Organic Chemicals (SOG) scan	\$74	\$30	\$104
Petroleum Products	\$74	\$30	\$104
Volatile Organic Chemicals	\$74	\$30	\$104
All Laboratories			
Other Testing	Contact Environmental Sciences laboratory management 919-733-7308		

See pages below for an explanation of the well-water testing profiles above

State Laboratory of Public Health – Environmental Sciences Unit

Well-water testing profiles

Full Well Panel – Microbiology and Inorganic Chemistry

Category	Description
Full Panel	Alkalinity, Arsenic, Barium, Cadmium, Calcium, Chromium, Nitrate/Nitrite, Chloride, Copper, Fluoride, Hardness (Total), Iron, Lead, Manganese, Magnesium, Mercury, pH, Selenium, Silver, Sodium, Sulfate, Zinc, Total Coliform/ <i>E. coli</i>

Microbiology

Category	Description
Total Coliform/ <i>E. coli</i> , P/A	Presence/Absence testing using an enzymatic procedure.
Total Coliform/ <i>E. coli</i> MPN	Enzymatic procedure using the Quantitray system.
Fecal Coliform, MPN (Quantitray)	Enzymatic procedure using the Quantitray system. This method does not determine the number of Total Coliform present in the sample.
Enterococcus, MPN (Quantitray) – Enzymatic	Enzymatic procedure using the Quantitray system.
Iron Bacteria	Centrifugation followed by a microscopic examination.
Sulfur/Sulfate – Reducing bacteria	Presence/Absence testing for sulfur bacteria and for sulfate-reducing bacteria. This method requires a 30-day incubation period.
Pseudomonas – MTF or MPN (Quantitray) Enzymatic	Quantitative determination of the number of Pseudomonas present in a sample using either the Quantitray MPN or cultural MTF.
Heterotrophic Plate Count	Direct plating of multiple sample dilutions.

Inorganic Chemistry

Category	Description
Full Inorganic Panel	Alkalinity, Arsenic, Barium, Cadmium, Calcium, Chloride, Chromium, Nitrate/Nitrite, Copper, Fluoride, Hardness (Total), Iron, Lead, Manganese, Magnesium, Mercury, pH, Selenium, Silver, Sodium, Sulfate, Zinc
Inorganic Panel without Nitrate/Nitrite	Alkalinity, Arsenic, Barium, Cadmium, Calcium, Chloride, Chromium, Copper, Fluoride, Hardness (Total), Iron, Lead, Manganese, Magnesium, Mercury, pH, Selenium, Silver, Sodium, Sulfate, Zinc
Coal Ash Inorganic Panel – a complete evaluation should include the Hexavalent Chromium test below	Alkalinity, Arsenic, Barium, Cadmium, Calcium, Chloride, Total Chromium, Copper, Iron, Lead, Manganese, Magnesium, Mercury, Selenium, Sodium, Sulfate, Zinc, Hardness (Total), Aluminum, Antimony, Beryllium, Boron, Cobalt, Molybdenum, Nickel, Potassium, Strontium, Thallium, Vanadium, Total Suspended Solids, Total Dissolved Solids
Hexavalent Chromium	Hexavalent Chromium
Metals panel	Arsenic, Barium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Manganese, Magnesium, Mercury, Selenium, Silver, Sodium, Zinc
Individual metals	1 – 3 maximum from above, with the addition of Uranium to the sample selection
Lead follow-up, single sample location	1 – 3 samples from same site collected at multiple time intervals

Anions	Fluoride, Chloride, and Sulfate
Disinfection By-Products	Bromide, Bromate, Chlorite, Chlorate
Fluoride only – Physician, Dentist	Fluoride
Nitrate/Nitrite only	Nitrate, Nitrite
Arsenic speciation	Arsenic ⁺³ and Arsenic ⁺⁵ – Total arsenic must have been previously determined and found to be ≥10 ppb.

Organic Chemistry

Category	Description*
Chlorinated pesticides	13 pesticide scan including Chlordane and DDT
Nitrogen-phosphorous pesticides	5 pesticides including Simazine/Prometon and Atrazine
Glyphosate	One of most commonly used pesticides sold under the trade name <i>Round-Up</i>
EDB, DBCP and TCP	Includes the agricultural fumigants 1,2-Dibromoethane (EDB) and 1,2-Dibromo-3-chloropropane (DBCP)
Carbamates	10 carbamate pesticides including Carbaryl (<i>Sevin dust</i>)
Chlorinated acid herbicides	16 herbicides including 2,4-D and Dicamba
Synthetic Organic Chemicals (SOC) scan	Scan for over 20 synthetic organic compounds with the ability to screen for more upon request
Petroleum Products	Petroleum Analysis for heavy weight products and VOC scan for lighter weight petroleum compounds
Volatile Organic Chemicals (VOC)	Scan for 47 volatile organic compounds

*Contact the laboratory for a full list of analytes included in each test category.

Other testing: Contact Environmental Sciences laboratory management 919-733-7308

